

# Sean Lidy

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## EDUCATION

**BS/MS in Software Engineering**  
ROCHESTER INSTITUTE OF TECHNOLOGY

Rochester, NY | December 2028

## WORK EXPERIENCE

**FREELANCE SOFTWARE DEVELOPMENT | INDEPENDENT CONTRACTOR** Remote | January 2025 - Present

- Produced a local image resizing tool built to replace under performing and time-consuming existing tools.
- Consultation with target audience of content creators to conceptualize desired project outcome.
- Utilized iterative design processes to achieve the needed functionality and user experience.
- Gain of reported 13% efficiency in video production workflow.

**ALLIANCE RV | SEASONAL INTERN**

Elkhart, IN | June 2023 - August 2023

- Created a bespoke sales data visualization tool using Mapbox and Bing's Geocoding API.
- Developed and successfully deployed the tool on Windows Server for remote use by sales professionals.
- Achieved project objectives within an accelerated time frame.

## SKILLS

**Languages:** Python, C, Lua, JavaScript, Java

**Technologies & Frameworks:** React, PostgreSQL, Selenium, Pandas, Numpy

**Tools:** Git, Vim, Linux, Docker, Trello, Slack

## PROJECTS

**INDEPENDENT LEARNING**

SAMBA, DOCKER, AWK

- Engaged in self-motivated investigation of tools, such as Samba, Docker, AWK, OS imaging, redundant storage practices, and service hosting, to improve my understanding of system administration and use-case knowledge.
- Learned many principles of system administration and how different systems interact at a networking level.

**CF-PACK-EXPORT-TO-MD** 

PYTHON, SELENIUM, BEAUTIFUL SOUP

- Used extensible web scraping tools to automate the aggregation of export data.
- Automated the conversion of non-human readable files into a customizable format for flexible documentation.

**COLOR PARSING** 

PYTHON

- A python TUI tool designed to isolate and sort the unique colors in an image.
- Used Pillow and native Python libraries to facilitate file i/o and image manipulation.

**ACADEMIC PROJECTS**

PYTHON, POSTGRESQL, C

- Built a full stack "club" management simulator, designed database schema, api routes, and dynamic frontend.
- Ongoing development of an embedded C project that requires the usage of proprietary packages, midi parsing, and program footprint management.

## ACTIVITIES

**COMPUTER SCIENCE HOUSE | SPECIAL INTEREST GROUP AT RIT**

RIT | August 2023 - Present

- Conceptualized, researched, developed, and completed a yearly Major Project to improve personal technical skills.
- Engaged in many relevant educational seminars to increase knowledge of adjacent career skills.

**FIRST LEGO LEAGUE MENTOR | LONG TERM SUPPORT**

Elkhart, IN | August 2019 - Present

- Mentored the next generation of STEM professionals in software development fundamentals for robotics.
- Taught lessons in applied problem solving to identify and isolate solutions to robotics challenges utilizing real world math and logic.